

Supermicro MBD-X11SPG-TF, Single SKT, Intel C621 Chipset, SATA, 2x10GbE, IPMI, M.2

Kod producenta: MBD-X11SPG-TF-O



Category	Server
Form Factor	WIO Proprietary
Dimensions	7.71" x 16.64"
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	1
Supported CPU's	Intel Xeon Scalable Processors
Chipset	C621
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	6
Max Memory Size	768 GB
Integrated GPU	Aspeed AST2500
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# of SATA Ports	6
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel X550 Dual Port 10GBase-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 1.2 20-pin Header
Uwagi	1 PCIe 3.0 x16 Center Right Hand Slot, 1 PCIe 3.0 x16 Left Riser Slot, 1 PCIe 3.0 x16 Right Riser Slot

Product SKUs



MBD-X11SPG-TF • X11SPG-TF

Physical Stats



- Form Factor • Proprietary
- Dimensions • 7.71" x 16.64" (19.58cm x 42.27cm)

Processor/Cache



- CPU • Intel® Xeon® Processor Scalable Family.
• Single Socket P (LGA 3647) supported, CPU TDP support 205W
- Cores / Cache • Up to 28 cores

System Memory



- Memory Capacity • 6x 288-pin DDR4 DIMM slots
• Up to 768GB ECC 3DS LRDIMM
• Up to 384GB ECC LRDIMM
• Up to 192GB ECC RDIMM
• 2666/2400/2133/1866/1600MHz ECC
- Memory Type DDR4 SDRAM 72-bit 288-pin RDIMM/LRDIMM
- DIMM Sizes • RDIMM: 4GB, 8GB, 16GB, 32GB
• LRDIMM: 32GB, 64GB
• 3DS LRDIMM: 64GB, 128GB
- Memory Voltage • 1.2V
- Error Detection • Corrects single-bit errors

On-Board Devices



- Chipset • Intel® C621
- SATA • Intel® C621 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
- IPMI • ASPEED AST2500
- Network Controllers • Dual LAN with 10GBase-T with Intel® X550
- Graphics • Aspeed AST2500 BMC

Input / Output



- SATA • 6 SATA3 (6Gbps) port
- LAN • 2 RJ45 10GBase-T ports
- USB • 4 USB 2.0 ports (2 rear + 2 via header(s)),
• 5 USB 3.0 ports (2 rear + 2 via header(s) + 1 Type A)
- Video Output • 1 VGA port(s)
- Serial Port / Header • 1 COM Port (1 header(s))
- TPM • TPM Header

Expansion Slots



- PCI-E • 1 PCI-E 3.0 x16 Center Right Hand Slot,
• 1 PCI-E 3.0 x16 Left Riser Slot,
• 1 PCI-E 3.0 x16 Right Riser Slot
- M.2 • Interface: PCIe 3.0 x4 and SATA
• Form Factor: 2280

System BIOS



- BIOS Type • AMI UEFI
• ACPI 6.0
- BIOS Features • RTC (Real Time Clock) Wakeup
• SMBIOS 3.0 or later

Management



- Software • Intel® Node Manager, IPMI2.0, KVM with dedicated LAN, NMI, SPM, SUM, SuperDoctor® 5, Watchdog
- Power Configurations • ACPI Power Management
• Power-on mode for AC power recovery

PC Health Monitoring



- Voltage • +1.8V, +12V, +3.3V, +5V, +5V standby, 3.3V standby, 8 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, VBAT
- FAN • 8x 4-pin fan headers (up to 8 fans), Fan speed control, Overheat LED indication, PWM fan speed control, System level control
- Temperature • CPU thermal trip support
• PECI
- LED • CPU / System Overheat LED
• UID/Remote UID
• Suspend static indicator LED
- Other Features • ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, RoHS, UID, WOL

Operating Environment



- Operating Temperature Range • 0°C ~ 50°C (32°F ~ 122°F)
- Non-Operating Temperature Range • -40°C - 70°C (-40°F - 158°F)
- Operating Relative Humidity Range • 8% - 90% (non-condensing)
- Non-Operating Relative Humidity Range

